

## MODE-SETTING APPARATUS FOR INTEGRATED CIRCUIT

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**Classification:**

- **International:** H01L27/04; H01L21/822; H01L27/04; H01L21/70; (IPC1-7): H01L27/04

- **European:**

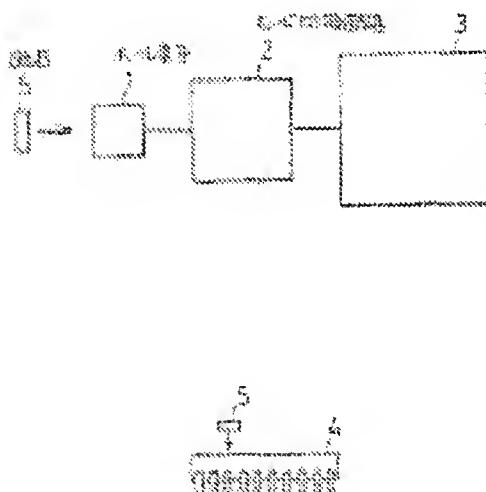
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### Abstract of JP 3084959 (A)

**PURPOSE:** To set a mode without installing a proprietary terminal and without making an external circuit complicated by providing the following: a Hall element which detects a magnetic field; a mode changeover circuit which changes an operating mode by this detection output; and a magnet installed so as to be freely detachable.

**CONSTITUTION:** A Hall element 1 detects a magnetic field from the outside of a package of an integrated circuit. The Hall element 1 is connected to a mode changeover circuit 2; the mode changeover circuit 2 instructs a mode changeover by a magnetic-field detection output from the Hall element 1. The mode changeover circuit 2 is connected to a circuit main body 3 and changes its operating mode by an input from the mode changeover circuit 2. The Hall element 1, the mode changeover circuit 2 and the circuit main body 3 are built in a package 4; a magnet 5 is installed at the outside of the package 4 so as to be freely detachable.



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